

## **NOTE ON PERFORMANCE TESTING**

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. Performance tests are designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:

- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date for each task in the rating box.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

### **Performance Testing**

If Performance Testing is done as part of the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification for the craft being tested.
2. The training must be delivered through a Accredited Training Sponsor recognized by NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER National Registry.

### **Certified Plus Credential**

Provided the sponsor is working through an NCCER-Accredited Assessment Center, candidates who successfully pass performance testing may be eligible for a Certified Plus Credential. A number of NCCER's Performance Profiles cross over to NCCER's Assessment Performance Verifications and may be completed simultaneously. Go to [www.nccer.org](http://www.nccer.org) and select the Assessments tab to locate the Performance Verifications associated with this craft. Note two other important conditions are required for the Certified Plus Credential:

1. Candidates must first pass the associated written assessment.
2. An NCCER-Accredited Assessment Administrator must sign off on the Performance Verification before it is submitted to NCCER.



**Craft: Pipefitting**

**Module Number: 08301-07**

**Module Title: Rigging Equipment**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
2	1. Perform a safety inspection on hooks, slings, and other rigging equipment.	
5	2. Select, inspect, use, and maintain special rigging equipment, including:	
	• Block and tackle	
	• Chain hoists	
	• Come-alongs	

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**Craft: Pipefitting**

**Module Number: 08301-07**

**Module Title: Rigging Equipment**



Objective	TASK	RATING
	<ul style="list-style-type: none"><li>• Jacks</li></ul>	
	<ul style="list-style-type: none"><li>• Tuggers</li></ul>	
6	3. Tie knots used in rigging.	

**Craft: Pipefitting**

**Module Number: 08302-07**

**Module Title: Rigging Practices**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
2	1. Determine the center of gravity of a load.	
5	2. Properly attach rigging hardware for routine lifts.	
1	3. Use and interpret hand signals.	
5	4. Determine sling tension.	

**Module 08303-07 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Module 08304-07 has no Performance Profile Sheet;  
no performance testing is required for this module.**

**Craft: Pipefitting**

**Module Number: 08305-07**

**Module Title: Motorized Equipment II**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
1-3	1. Describe an aerial lift inspection.	



**Craft: Pipefitting**

**Module Number: 08306-07**

**Module Title: Introduction to Aboveground Pipe Installation**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
2	1. Identify the following types of flanges:	
	• Weld neck	
	• Slip-on	
	• Blind	

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**Craft: Pipefitting**

**Module Number: 08306-07**

**Module Title: Introduction to Aboveground Pipe Installation**



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Learning Series

<b>Objective</b>	<b>TASK</b>	<b>RATING</b>
	<ul style="list-style-type: none"> <li>• Socket weld</li> </ul>	
	<ul style="list-style-type: none"> <li>• Threaded</li> </ul>	
	<ul style="list-style-type: none"> <li>• Lap-joint</li> </ul>	
	<ul style="list-style-type: none"> <li>• Cast iron</li> </ul>	
3	2. Identify types of gaskets.	
4	3. Identify types of flange bolts.	
6	4. Install flanged piping systems.	
7	5. Lay out floor penetrations.	
8	6. Read spool sheets.	
4	7. Lay out and fabricate a gasket.	

**Craft: Pipefitting**

**Module Number: 08307-07**

**Module Title: Field Routing and Vessel Trim**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
2	1. Determine spool specifications for field-routing activities	
4	2. Determine the load weight for erection equipment.	
7	3. Install test blinds.	
7	4. Install temporary hydrotest spools.	
8	5. Identify vessel trim.	

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**Craft: Pipefitting**

**Module Number: 08308-07**

**Module Title: Pipe Hangers and Supports**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
1	1. Identify types of pipe hangers.	
1	2. Identify types of connecting units and attachments.	
1	3. Identify types of pipe supports.	
2	4. Read and interpret pipe support drawings and symbols.	
4	5. Install non-expanding concrete fasteners.	

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**Craft: Pipefitting**

**Module Number: 08308-07**

**Module Title: Pipe Hangers and Supports**



Objective	TASK	RATING
4	6. Install expanding concrete fasteners.	
1, 3	7. Install toggle bolts.	
5	8. Lay out and mark the cut lines required to fabricate a one-piece 45-degree angle iron bracket.	
5	9. Lay out and mark the cut lines required to fabricate a one-piece 30- by 60-degree angle iron bracket.	
6	10. Identify spring can support types.	
6, 7, 8	11. Read and interpret spring can support detail sheets.	
10	12. Install spring can supports.	
11	13. Remove the travel stops from a spring can support.	
11	12. Adjust a spring can support to the cold position.	

**Craft: Pipefitting**

**Module Number: 08309-07**

**Module Title: Testing Piping Systems and Equipment**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

**Rating Levels:** (1) Passed: performed task (2) Failed: did not perform task  
Also, list the date the testing for each task was completed.

**Recognition:** When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:** Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

Objective	TASK	RATING
1	1. Identify the details about a piping system that you can obtain from a piping drawing.	
1	2. Perform a pretest field inspection, using a punchlist.	
2	3. Perform a service test, and check for leaks.	
2	4. Perform a flow test, and check for leaks.	
3	5. Install pneumatic test plugs in a pipeline.	

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**Craft: Pipefitting**

**Module Number: 08309-07**

**Module Title: Testing Piping Systems and Equipment**



Objective	TASK	RATING
3	6. Install mechanical test plugs in a pipeline.	
3	7. Perform a head pressure test, and check for leaks.	
4	8. Install a slip blind in a system.	
4	9. Prepare a system for a hydrostatic test.	
4	10. Perform a hydrostatic test on a piping system or spool.	